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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/802,485	03/17/2004	Neil A. Cooper	00100.03.0022	4098

29153 7590 05/05/2006

ATI TECHNOLOGIES, INC.
C/O VEDDER PRICE KAUFMAN & KAMMHOLZ, P.C.
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CHICAGO, IL 60601

EXAMINER

JANKUS, ALMIS R

ART UNIT	PAPER NUMBER
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2628

DATE MAILED: 05/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/802,485

Applicant(s)

COOPER, NEIL A.

Examiner

Almis R. Jankus

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 January 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 and 19-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12, 19-22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-12, 19-22 are presented for examination.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-2 are rejected under 35 U.S.C. 102(b) as being anticipated by Simpson.

With respect to claim 1, Simpson teaches the claimed generating an enlarged font set including a plurality of enlarged font characters enlarged by a magnification factor, at pages 137-151, 145-146, and 1162; receiving an original font rendering command to render an original font character, at page 145-146 as the base font; and rendering a corresponding enlarged font character in substitute of the original font character, at page 137-151 and 1162.

Claim 2 further requires prior to generating the enlarged font set, receiving the magnification factor. Simpson teaches this at pages 137-151, figures 5.8, 5.1, 5.10 and page 1162.

4. Claims 3-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Simpson as applied to claim 1 above, and further in view of Foley et al. Claim 3 further requires after generating the enlarged font set, storing the enlarged font set within a cache. Foley et al. teach this at page 127 as font cache. It would have been obvious to one of ordinary skill in the art at the time of the instant invention to use the teachings of Simpson along with Foley et al. because storing characters in a completely device independent form has the major advantage in that the outlines may be arbitrarily translated, rotated, scaled, and clipped (or used as clipping regions themselves). This motivation is provided at Foley et al. page 131, third paragraph.

Claim 4 further requires the step of rendering a corresponding enlarged font character is directed to an off-screen surface. Foley et al. teach this at page 11 figure 1.2, the refresh buffer.

Claim 5 further requires receiving a font rendering command; and substituting an enlarged font rendering command for the font rendering command. Simpson teaches this at page 144 as typing and changing size after typing.

Claim 6 further requires providing the enlarged font rendering command to a display driver redirector. Foley et al. teach this at page 11 figure 1.2, the display controller.

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 7-12 and 19-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Foley et al. in view of Simpson.

With respect to claim 7, Simpson teaches the claimed message hook application operative to receive a magnification event indicator, wherein the indicator includes a magnification factor, at page 139 figure 5.8; Foley et al. teach the claimed character generator coupled to the message hook application such that the character generator is operative to receive a text call from the message hook application for the generation of a magnified character set including a plurality of characters enlarged by the magnification factor, at pages 38-39; and a display driver operably coupled to the message hook application and the character generator such that the display driver is operative to receive an ancillary text call indicator from the message hook application and the magnified character set from the character generator such that, in response to

the ancillary text call indicator, the display driver caches the character set, at pages 127-131. It would have been obvious to one of ordinary skill in the art at the time of the instant invention to use the teachings of Simpson along with Foley et al. because storing characters in a completely device independent form has the major advantage in that the outlines may be arbitrarily translated, rotated, scaled, and clipped (or used as clipping regions themselves). This motivation is provided at Foley et al. page 131, third paragraph.

Claim 8 further requires the message hook application coupled to receive an input command signal; a direct draw surface operably coupled to the display driver such that the direct draw surface is coupled to receive one or more characters of the character set. Foley et al. teach this at pages 41-42 and at page 1 figure 1.2.

Claim 9 further requires an input filter device operative to receive an input command and thereupon generate a redirected input command. Foley et al. teach this at pages 41-42.

Claim 10 further requires the input command is received from at least one of the following: a mouse, a touchpad, a joystick, a rollerball, a stylus, a touchscreen and a digitizer. Foley et al. teach this at pages 41-42.

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Claim 11 further requires a frame buffer operably coupled to the display driver operative to receive the enlarged text such that the frame buffer is operative to provide the enlarged text to a display device. Foley et al. teach this at page 11 figure 1.2.

Claim 12 further requires a timing device capable of resetting the display driver. Foley et al. teach this at page 12 figure 1.3

Claim 19 is similar to claim 7 except for the limitation of a direct draw surface operably coupled to the display driver such that the direct draw surface is coupled to receive one or more characters of the character set. Foley et al. teach this at page 11 figure 1.2. It would have been obvious to one of ordinary skill in the art at the time of the instant invention to use the teachings of Simpson along with Foley et al. because storing characters in a completely device independent form has the major advantage in that the outlines may be arbitrarily translated, rotated, scaled, and clipped (or used as clipping regions themselves). This motivation is provided at Foley et al. page 131, third paragraph.

Claim 20 further requires an input filter device operative to receive an input command and thereupon generate a redirected input command. Foley et al. teach this at pages 41-42.

Claim 21 further requires the input command is received from at least one of the following: a mouse, a touchpad, a joystick, a rollerball, a stylus, a touchscreen and a digitizer. Foley et al. teach this at pages 41-42.

Claim 22 further requires the driver operably coupled to a frame buffer, the frame buffer coupled to the display driver operative to receive the enlarged text such that the frame buffer is operative to provide the enlarged text to a display device. Foley et al. teach this at page 11 figure 1.2 and at pages 127-131.

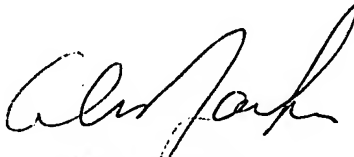
7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Almis R. Jankus whose telephone number is 571-272-7643. The examiner can normally be reached on M-F, 6:30-3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Razavi can be reached on 571-272-7664. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AJ



ALMIS R. JANKUS
PRIMARY EXAMINER